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REVIEWS OF ATTITUDE
INVENTORIES IN PRINT I

DEPARTMENT OF POLICY RESEARCH, PLANNING AND PROGRAMMING.
NATIONAL COUNCIL OF EDUCATIONAL RESEARCH & TRAINING
SRI AUROBINDO MARG: NEW DELHI-110016

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INTRODUCTION

Educational and Psychological Tests are an important tool in the hands of researchers, school psychologists, clinical psychologists, counsellers, teachers and administrators, who select, administer and interpret them and make decisions based on test scores. However, in order to choose the right test to meet their needs, these test users need scientifically prepared reviews of the available tests.

This bulletin presents twenty five reviews on Fourteen published Indian Tests in the area of Attitude & Interest. The se reviews have been written by persons of outstanding ability representing different view points which will assist test users to make more discriminating selections of the standard tests which will best meet their needs.

Besides the test users, the test reviews may exercise a quality control on development of psychological tests in the country. The reviews may motivate the test-developers and publishers to place fewer and better tests on the market. The quality of research may also be improved.

(NT 283) (b) language of manual Rest of Test such as reusable f test booklet separate answer-sheets etc. administration wallable aveilable d. Date of publicat. : on (if any) Author's name & Shri L.N. Dubey, mosition Deptt. of Psychology, - Ollegs of Educational Psychology and Guidance, Jebalpur. Shii B.M. Dixit Deptt. of Pay. igra College, National Psychological Corpne, Botel Theremlok Reja Manes Agra - 282002

As a first step of maderstanding human behaviour, test developers always have a unique and special responsibility because, once daveloped. the tests are often used for bailding now hypothese and testing siready existing hypotheses and even theories relating to If at haman behaviour. this very first stage. if developing an instrument goes wrong the subsequent theory building could be westage of time. mento wer and tem urces. Such a paychological instrument may misculde the behavioural scientists to formulate theories which may not exist and conclude things which may have devestating implicatcaw elsubividuals was are assessed by these eceles and on the devolorment of paychology as a science in general. On going through the superstition scale one cannot halp feeling that the authors of this side do not seem to relieve their responsibility. While developing any test, it is quite essential to describe the construct which is to be measured. This seems to be for from shiisfactory. description of the construct of superstition does not have eny pro-Hor : fenuional touch. the assumptions such as "unequested and papple with low intelligence are more superstitions" have been stated on the basis

of any scientific findings. one would feel alermed as the outhors have ignored the minimum staps which ere essential for test construction. First of ell, mothing has been said about the areas of superstition and corresponding item writings. Redidos. meat of the 40 items which have been almoluded in the test appear mondiscriminating or at least medundant. An item anelysis of a large number of items oruld have helped better for the meetion of items for the final tent. In tent has been administered on an impressive nample of 1855 subjects and the purpose of this administration has never been stated classly. authors, however, close that this was sample used ON for standardization. finds a number of indian (Tables 1 through 3) devoted antirely to classiry subjects into various to redund a ne squora dimension (L.e. hone selfing, DEG, odnesticn, intelligence, mea, personality characteristics) was It which has been used for norm' establishment. 7 gives the mean and 55 on this scale probably for the sample of 1968 subjects With regard to the rollable lity, it is not close how Spearmen-Epwh correction was applied to the superetition seals which is not a power test, of the in-formation of the method of seniting of the scale is met given. A correlation of ourgratition coals will

the Radical-Chaservative Attitude Boale could herdly speak about the former's validity without a detailed description of the Latter.

Proparation of scoring key is often most crucial Job in a test development progresse. There exist various approaches to this key procedure. The suthors prefer to keep quiet on this most important aspect of their test development programme and simply provide a secring key in Toble? without mentioning how it a cetegorisation of people into five groups on emper-scitica dimension on the bacis of that recepes appears manacentary as to attempt seems to have heen made to describe the distribution of the scores.

Ta general, it appears that the exthore have violated all stondards of test development. The sects wald never be row commended for use unless the authors made a thorough and overall revision following the steps of test development.

w Merdered by a

Pott. of Psychology The Distance of The Con-

- (2) 1. Name of Test
- : SUPERSTITION SCALE (NTL _ 283)
- 2. (a) Lenguege of test
- t Hindi
- (b) Language of mountain
- * Hindi & Chalish (berik)
- 3. Wrest of Test, such as remarkle test, booklet separate enswersheets etc.
- 4 Onswalle
- 4. Time for administration
- # 4
- 5. Author of forms evellable
- i We other form is
- 6. Inte of public -
- fi day

7. Price

- b.11/- per specimen
- 3. Author's name end position
- Shri L.W. Beboy
 Doptt. of Paychology
 College of Education
 of Caychology & Guidanes
 Jebalpur.

Mri B.M. Mxit, Peptt. of Paychology Agra Gilege, Agra.

9. Publisher

- Hational Paychological Corporation, 4/230, Kacheri Chat, 4gra - 4.
- 10. Applicability
- the min of the scale is to discriminate the persons having different degrees of superstitions.

The second secon

The Superstition Scale was developed by habey and Dixit with a view to disoriminating persons having different depress of superstition. In the construction and standardization of any test, it is essential that the construct to be measured is described adequately and stated in clear and explicit terms. The montal, beverar, does not cover this information. The description does not seem to here may scientific basis for the same. Obviously, this is a serious mortcoming of this scale, which - renders its use rather doubtra.

> The scale consists of 40 statements, against each of which 3 siternative enswers are written and the subject is required to obcose one answer. A score of 3 is given for showing higher derree of superstition, 2 for lover degree and 1 for sere degree of superstition. No rational a for the inclusion of the itoms in the souls has been mentioned. Details on the selection process would be desirable. In fact, the authors should have constructed a large number of items and made a selection efter exploying a suitable technique of item analysis.

As stated by the seathers, the scale has been standardized over a representative sample of 1866 people drawn from rural and urban areas. Nothing has been stated as to how the representative character of the sample was ensured. The sampling procedure followed to standardize the scale scens to have been completely glossed over.

Although Tables 1 to 6 give elatorate description of the break-up of the sample in terms of place of residence. Sex, age, so do-excomis status, levels of education, levels of intelligence and introversion-extroversion dimension of personality, the authors have bardly made analysis and interpretation of data. Table 7 presents mean and 5D for the total sample slone.

High reliability and velidity coefficients for the test have been reported. Reliability information, however, in terms of stability over a period of time has been ignored. The valldity has been established by correlating the scores on this scale with the scores on Dedical-conservative attitude scale. In the absence of the details about the Midical-conservative ettitude scale, it is herd to make any sense out of what the authors have stated. Byen the content validaty of the scale has not

(1)

been demonstrated.

No besis for the properation of the scoring key has been indicated by the authors and the catemorization of scores presentated in Table 8 given the impression that the same has been done parhaps in a purely arbitrary manner.

In summary, it can be said that the authors have shows seemt regard for the basic procedures involved in the development of a tent. With its varied drawbacks pointed out above, this scale cannot be recommended for the mass as stated by the suthors.

Reviewed by t

Pr. L.K. P. Sinha.
Pata. Chief Paychologich
Pajendra Nagar.
Pad No. 3.
Patna - 800016.

- (3) l. Name of Test
- * RAO'S SCHOOL ATTITUDE INVENTORY (NIL - 313)
- 2. (a) Languaga of test
- s Hindi
- (b) Language of menual
- t Siglizh
- 3. Wrust of Test, such as reveable Test broklet separate answer sheets etc.
- f (bnsumeble
- 4. Time for administration
- There is no time
- 5. Number of forms available
- t Mo other form
- 6. Date of publicat- 5
 ion and of revision (if any)
- 7. Price

- * &.12/-
- 8. Author's name & position
- Dr. D.Gopal Rec, N.C.E.E.T., New Delhi.

- 9. Publisher
- Agra Fsychological Research Cell, Tiweri Kothl, Bulengenj, Agra.

This self-report
measure of school Autitude with no time limit
has been developed
following Likert's technique of attitude scale
construction. Out of en

initial pool of 80 items (both in Hindi & Englih) 57 items: were retained after "careful editing". While the author claims that five areas of school life are tapped by these

statements, he does not specify the number of items encompasing these areas. Moreover, the bass of judgements of criterion relevance of the items is not provided. The preliminarly tryout has been attempted on a 'representive' sample of 360 higher secondary pupils (grades 8 to 11) of Delhi caty. The test manual is silent on the method of sampling from the population of higher secondary pupils. The items have been analyzed using extreme groups (high and low groups) to calculate the discriminative values, and 30 items have been selected for the final form of the scale with a suitable balance between negetive and positive items. Only oddeven reliability coefficient has been reported. Mo re evidence of internal consistency should have been provided for tests of this type. The validity data is totally inadequate. Obviously, additional information for the test is needed on criterion related validity. 'Norms' on this test ere notable by their obsence. Thus the interpretation or test scorez is not possible. This calls for development of norms on clearly defined The Manual populations. (present one comprising only 5 pages) should have summerized competent research work reported elsewhere, either by the another of the test or by others. Since this test is likely to be used to compare groups, rather thon individuals, standard errors of measurements of groups

means and related statistics should alm have been presented. The test Manual does not state explicity, the purpose and application for which this test is 4s recommended. In sum, this test appears to have a very limited utility.

Reviewed by :

Prof. Segar Sharma, Frof. & Head. Department of Psychology & Dean Faculty of Arts, Summer Hills, H.P. University, Simla - 171005.

- (4) 1. Name of Test
- : BAD'S SCHOOL ATTITUDE INVENTORY (NTL .. 313)
- 2. (a) Lunguage of test
- * Hindi
- (b) Language of manna!
- : Baglish
- 3. Rormat of Test, & Consumable such as reusable Test booklet separate answer sheet etc.
- 4. Time for administr. : There is no time ation
 - limit
- Number of forms available
- : No other form 1s available
- 6. Date of publicat. : ... ion

7. Price

- 1 h.12%
- 8. Author's neme & position
- Ar. D.Copel Rec Resder. N. C. T. A. T. New Polhi.
- 9. Publisher
- Agra Psychological Rosearch Cell. Tiwari Kothi. Balangani. Agre.

Pac's school attitude ettitudinal statements and to strongly disagree. The said item heing followed by

a five point scale rang-

for diagnostic as well as itsed counselling purposes and/ to be a very useful tool in the hands of a teacher or a counsellor.

The initial pool of items consisted of eighty items collected from various sources like educationists, parents, and teachers atc.,. These items were carefully edited following the criteria suggested by Edwards (1957). This resulted in the retention of 57 of the original eighty statements, 32 being positive and 25 negative. The 57 statements represented the following 5 areas of school life, teachers, school, school programmes, social acceptance, and perceived perental attitudes towards school.

The preliminary try out of the items was carried out on 360 pupils of grades eight to eleven, drawn from 5 higher secondary achools from Delhi. Item analysis was carried out comparing the highest 27% with lowest 27% to errive at the discriminat. ory power of each item. Those items which showed a significant difference (a critical ratio of not less than .05 level of significance) were retainod. Thirty three such items were retained. These 33 items were subjected to scrutiny of a group of 12 experienced teachers resulting in a further olemination of 3 more items. The final form

Reliability and validity :

The author reports a Split-half reliability coefficient of 0.81 after application of the S_B formula. It is not clear how many subjects were used to assess reliability. The author does not report any validity coefficient for the instrument. This difficult to appreciate the claim that the original procedure of item validation would be also treated as validation of the instrument. The validity of individual items on the basis of internal consistance cannot be equated with the validity of a tool as a whole in relation to the external criteria. The author further reports that the tool when administored to a group of students clearly differentiated between two groups of students judged by teachers as well adjusted and poorly adjusted. However, no quantitative data is presented in support of this claim.

Kerna:

The manual does not present any data regarding standardization and consequently no norms are reported. It is perhaps true that a school adjustment inventory which is easy to administer, score, and interpret will be useful to the teacher, counsellor and perhaps for the research worker also.

Reo's school attitude inventory presumably is an

But the inventory suffers from many limitations and in its present form ray not be accquate for the purpose. Some of these limitations are indicated. The author has not clearly spelt out the scope of the inventory. A very simplified procedure has been followed. Items were collected at random and itom enalysis was carried out and subsequently they vers found to relate to five areas. The manual foss not report the rumber of items fulling under the different ores. Again, one does not understand the distinction made between "School" and "School Programmes". Similarly it is difficult to understand the inclusion of perceived parental Attatudes under school attitudes.

One also fails to understand why the items were subjected to expert judjement after item enelysis and not before, es is usually done. The manual does not report details regarding the sample on which the reliability was established, leave alone the size. Details regarding the discriminatory values of the individual Atema are elso not reported. The situation is equally unsatisfactory in regard to the validity of the wol as no validity

coefficient of any sort is reported. The instrument has not been standerdired and thus, imposing serious limitations of its usefulness.

A surprising feature is that the items in the tool are in the form of questions. This is not the form in which items in en attitude inventory are usually framed. The fact that the items are in the form of questions is likely to render it difficult for the respondent to answer, using a five point scale. Minally, one also wonders whether Dr. Reo has developed an attitude inventory or are adjustment inventory" Perhaps this should be left to the imagination of the users on the wholey here is an attempt to develop a tool in an area of importance but the procedure and the product appear to suffer from serious limitation. In its present form, the tool does not appear to recommend itself for any u.se.

Raviewed by :

Pr. S. C. Paramesh waran Frof. & Head Deptt. of Psychology Tamania University Hyderabad.

(5)	1.	Name of Test	8	REDICAL CONSERVATIVE ATTITUDE (NTL - 315)
	8 //	(a) Language of test	8	Hind1
		(b) Language of manual	8	English
	11	Pormat of Test, such as reusable test booklet separate answer sheets etc.	3	Consuma ble
	4	Time for admini- stration	i	क्षेत्रसं स्ट्या
	5.	Number of fores available	\$	No other forms is evaluable
	6.	Date of publicatation (if any)	\$	च ्च 535
	7.	Price	rt r	ध्याः स्थाः '
	8.	Author's name and position	\$	L.N. Subey College of Education Psychology & Guidance Jabalpur.
	9.	Pablisher	\$	Agra Psychological Research Cell, Tiwari Kothi, Belenganj, Agra - 4.

Introduction:

The Introduction to the test provides a desa cription of some of the qualities of radicals and One would conservatives. have desired in this manual information about the objectives of this test, the conceptual framework as operationally defined in terms of variables constituting the dimension in-tended to be measured. In a introduction as it obtains is not of value to any user of this test and hence it could have been detailed as indicated above to guide the user in understanding the retionals on which the test is based.

General Description:

The scale consist: of 60 items covering three eress viz., personal, social and religions, each erse having 20 items. However, one would have desired information on how the items were identified, the areas selected and the number of items eres wise in the preliminary scale, How the final item to constitute the scale were selected is not indicated leaving quite an amount of doubt as to the procedure followed to construct the scale.

Rorest and Administration:

This is not provided in the manual which could have been done except for

the instruction to the respondents in Hindi. This is a self administering type of scale with a five point response category ranging from 1 to 5, the higher soo re indicating agreement. No information is given about the toning toning of the item, whether sll of them in the positive or negative direction. Detailed informative about the method of administering individually or in groups, scering direction, item direction, etc., should have been indicated as part of the information to the macr.

A table crateining classification of the respondents based on the magnitude of the total scores in the scale is given for males and female separetely end also for each of the attitude press, vizpersonal, social and reli-No information, gious. however, is provided as to the purpose of this classification and how it could be used and also what is the basis on which the categorisation is made. Surprisingly there is a category called "highly radical" with a score of 240 & above. But how this is decided could be any body's given the author the unless give cares to this information.

Item quality

Since the items are in

Hindi, it is difficult to assess the import, meaningfulness and the language used. One would have desired a brief account of the way the items were it roulated taking into consideration the direction evailable for writing attitude items.

Since the scale consists of GO items having an equal number of items in each of the selected cross, assuming that the author would have used some staticatical procedures for item selection, one will worder how he could get equal number of items in each area.

Reliebility and Widity

Reliability has been reported using K.R. formula and split. Walf method area—wise and for the total scale. For the latter, the reliabi. lity coefficients are, .86, by K.R. Formula, .91 (split-half).

The internal constency of the scale has been worked at through correlations of area score with total scores and reported under validity—as item analysis validity coefficient. In other words, there is no attempt made to workeut the validity of the scale.

No mag

distributed in 6 colleges of three districts in Madhya Pradesh and included 766 boys and 474 girls in urban and semi urban areas. scores and S.D. ere dyen for the Total scale and also for each of the areas vize, personal, social and religious for hoys and girls. however, one would have liked information about the procedure ifellowed to select the sample, classwise, sexwise, socio economic statuswise and speawise as that would have provided a better understanding of the representiveness of the semple used for standardization.

Applicability

The scale as such based of the information contained in the manual & not qualify itself for larger use as one is not sure of the procedure adopted to construct this It is also necessary e e e to indicate the population for whom an instrument is developed so that applicability to the larger populat. ion of that category could be assessed. The menual as it is too sketchy creating doubts for want of details and hence it would be difficult recommend the use of the test.

Reviewed by s

Dr. B. C. Muthayya

- (6) 1. Name of the Test : Attitude Scale For Thysical Rducetion (NTL-316)
 - 2. (a) Language of # Hindi
 - (b) Language of 5 Hindi
 - 3. Pormat of Test, : Consumable forms such as rousable test test booklet separate are answhereheet etc.
 - 4. Time for administra- * No time limit tion
 - 5. Num'er of forms : available
 - 6. Date of publicates : 1978 ion and of revision if any
 - 7. Price # %.12.00

 - 9. Publisher i Agre Psychological Research Cell, Tiwari Kothi, Balanganj, Agra.

procedure adopted for item analysis is not clear. Only bint has been given that X of independence was used to 'escertail the significant of difference among various responses to different items of the scale. The groups which brought out the differences in the item like the extreme grups in some distribution has not been The authors mention statec. that in the final form, items which were significantly different at one percent isvel of confidence were retained! This is perhaps about the discrimination value of the items. But how this valu has been worked out has mit been explained.

About scoring the scale items, ithas been indicated that 5 to 1 scores are to be used for esponses to each item in thems of the intensity of attitule revealed. Scoring in case of negative items to be reversed to 1 to 5, but which statements are negatively worded has not been specified.

The wlidity of the scale has but been adequately ensured. Is stated earlier, the determination of the construct validity has only cursosity been attempted. It has been tried to establish criterion walldity by administering the scale to athletes and nonathletes, with the assumption that athletes will show ligher score on the

sede. The authors mention that athletes did show significantly higher score. But the number of cases is small (N=16). No validity coefficients and basic statistics of difference have been reported. Thus, the determination of validity has not reached a satisfactory level.

Split half and testretest reliability coefficients are reported to be .78 and .72 respectively. The sample sizes for determining foliability have not been reported. For splithalf reliability, the number of items is only eight in each part which is quite small. The reliability co-efficients considered satisfactory by the authors have only limited value in view of the inadequate procedures used for the establishment of both reliability and validity.

As all attitude scales are short-term tools, so is the present scale. Since the validity and reliability of the scale have been determined in a limited manner and information on several points is wanting, it may be suggested that the test be revised and properly edited.

Reviewed by 1

Dr. T. S. Thapole Prof. & Head, Deptt. of Psychology Kasi Vidyapith, Varanasi-221002.

1. Name of Test

ATTITUDE SCALE FOR PHISICAL EDUCATION NTL -316

- 2. (a) Language of test: Hindi
 (b) Language of : English
 manual
- 3. Format of test, such: Ornsumable as reusable test booklet separate ansersheets etc.
- 4. Time for eduinistr.: There is no time ation
- 5. Number of forms : No other forms available is available
- 6. Date of publicat : 1978 ion and of revision if any
- -7. Price : B.12/-
- 8. Author's name & G.P. Thekur, & Yanju Thekur position Psychology Department University of Biher Muzefferpur.
- 9. Publisher : Agra Psychological Research Cell, Tiwari Kothi, Belangani,
- 10. Applicability

Male and females, but no age group is given.

Introduction & Chaceptualization:

In manual no introduction of the test has been given by authors. To concept a construct of physical educations has been given in the manual. Only the purpose of the test construction is mentious as an attempt to fivelop an attitude scale to ascertain attitude of people trwards physical aducation. The concept and construct used should have been well defined before item selection.

Item Reol

No original pool of items is given in the manual. It is only mentioned that 68 items concerning various areas of physical education were framed by the investigators and remaining were collected from the literature, But, no literature is mentioned. It is essential as a test user in future may know what is the relevant literature of the area. This desirable if the original pool of items are also given in the Annexure of the manual, so that future test user may see the items, which were dropped out in pretesting or final tryout.

In original item pool of this type of scale, the teachers and students of the physical education colleges should also be consulted and items given by them could be included in first tryout. For item analysis X test of independ. But it is not ence is used. mentioned in the manual, how it was done. Only it is mentioned that final scale has only lo items. There was a need of rigorous item enelysis.

Applicability:

The sample of the study was 450 malas and females of North Bihar. The sample selection procedure is not given in the manual. There should be clear out format of sample selection, so that a cross section of the population may be represented in the sample. It is also not mentioned in the manual whether these 450 males and females were of Fural er urban areas. What was the age range of these subjects?

In my opinion this was the basic need to make the sample of the study a "representative" sample, so that future test users may be clearly guided that this test can be used only on this particular sample of the population.

Socring!

The marual clearly states that erbitrary weighting method was used to score verious responsos. The scoring method is a five point rating scale.
Apparently eather Likert's or Thurstone's mathod was not followed. The same assigned to particular point ere given as 5,4,3.2 and 1, but negotive item of the scale are advised to be scored in the reverse way. But, another has not mentioned anywhere in the menual the positive and negative items. Thus. how correct scoring will be made.

Reliability of the Scale:

The split-half reliability and test-retest reliabilities were computed. The coefficients were to be .78 and .72 respectively.

Put in reporting the reliability coefficients the means, standard deviations and standard errors of measurements of different groups should also be mentioned, which are missing in the manual.

The procedure of rellability should be rigorously achered to. so that the future test user may clearly know how far the test measures consistent over a period of time.

Velidity of the Scales

The validity of the test is calculated by calculating the significance of difference of two known extreme groups (i.e. altheletes and non altheletes) by 't' test. The basic need to use this method is to show the skewness of the data. The authors used non parametric method (x2) in item analysis, while used parametric (t test) method in computing validity of the test. No rational has been given for this approach.

The test has met been validated with any validated criterion. If it is met available, them concurrent, construct and predictive validates could have been calculated.

Practical Consideration is administration and use of the Test:

So far as administration is concerned, no time
limit is given. Instruction
are clear. Scring is
ambiguous, hence interpretation of the scores will be
difficult for future test
users.

No norms are given as this is the basic and most important step in test constructions.

There is only one reference in the manual. Ther was a scope to give appropriat references in the area of study.

Reviewed by s

Dr. Virendra Sinha Addl. Director of Education, Directorate of Education U.P. Allahabad.

- (8) 1. Nome of Test
- * MEASUREMENT OF ATTITUDE TOWARDS INTERNAL EVALUATIONS (NTL-317)
- 2. (a) Language 12 test
- " English
- (b) Language of manual
- s Lightsh
- 3. Pormet of Tent, such as rouselle Test booklet, separate answer sheets etc.
- s Consumable

- 4. Time for administration
- i It requires 15 minutes for its administration
- 5. Number of forms
- We other form is available
- 6. Date of publication (if any)
 - : 1970

7. Price

- 1 Mel2/-
- 8. Author's name & position
- 1 Dr. B. A. Parikh Psychology Dapartment M.T.B. Arts College, Susah - 395001.

9. Publisher

* Agra Paychological Rassarch Cell Tiwari Kothi, Belenganj, Agra - 4 •

Nature and scopes of the scale !

This is a 40-item scale for measuring adult subjects attitude towards internal evaluation as applied to higher education. author of the test claims that this scale is basica-11y meant to be used as a tool of research or as a tool for guidance. construct of attitude which is measured by the scale is defined in the test manual. This is an attitude scale of the Guttman-type, possibly developed using the procedures implicit in this model. But these details, unformately are not given in the test manual.

Nature and adequency of the items:

The forty items forming the scale belong to five categories as detailed in the test manual (p.6). The items appear to be somewhat adequate and exhaustive. However a closer examination revealed some inadequacies in the item in the final scale. The sdequacy of an attitude scale ultimately depends upon the face and construct validation which appear to have been attained by the scale. How adequate is the universe of behaviour sampled by the items ? Items which represent the contical justification for internal

evaluation are not included in the scale.

The following are examples of important statements which should have appeared in intermat evaluation of this scala! (i) Only through internal evaluation, we can evaluate some higher personal and emplex objectives set by the teacher. (11) Internal evaluation is the only solution to the measurement of certain complex affective and pay... chomotor outcomes which can be evaluated after a prolonged observation by a teacher, (111) External avaluation cannot take care of product evaluation required a good deal of teacher-student interactions; (iv) It is a derccratic right of a teacher to evaluate his students in his own way.

It is quite possible that items of this kind were present in the initial pool, but got eliminated at the time of item select-Unless items representing such cluster were given a heavy weighting in the initial pool, this is likely to happen. Any way, the scale appears to sample only statements which relate to the external aspects of internal evaluations, and fails to enter into the deeper and

complex implications of the construct of internel evaluation.

Item selection Procedures:

The Proliminary pool of 80 items have been reduced to 40 items through successive item analysis, the pointbisarial coefficient of correlations of the items with voores on the total test, has been used for deciding the discriminating power of items. rational behind the statistical procedure of successive item analysis, all the indices get stablized-appears to be sound e This method would yield good recults if all the sub-components are giver nearcqual representation or weightage in the tuitial pool of items. M or the other hand, we start with a pool representir; a merrow range or psychological traits, the resulting final test will only reprosent little more narrower version of the original pool. difficult to decide whether this has happened with the present test. In the absence of full information relating to this aspects it is difficult to decide whether this has happened with present test. It is desirable that the original pool of items are also

reported in the test manual. The item analysis date is not reported in all essential details. The nature or size of the sample used for the series of item analysis left to the inspuration of the users. In the absence of this data, it is difficult to give any meaning to the reported biserial coefficients.

Actouage of the formats

The test is long enough to yield high mefficients of reliability and short enough to be tested within limited time (say 15-25 minutes). It is given in the form of reusable test booklets with separate answer sheets. Int the published form of the test contains only 40 items together with the three-point response space given egainst these items. booklet will not be reusable. The cleim of the author that it is a self-administering scale has been negated subsequently by his own observation (on p.3 of his manual) that the purpose of the scale will have to be properly explained and proper repport established if proper responses are to be obtained. The test booklet does not contain any meterial which supports the claim that it is self edwinistering. No directions regarding the mode of responding to the test is inguidence neither in the

test booklet or the menual. The scoring procedure is clearly explained in the booklet. The claim of the author (p45 of the manual) that the teale can be used for measuring the attitudes of teathers and their parents interested in the education of their children, cannot be accepted in te to. In parents, unless they are iducated emough to undersiand the implications of the concept of intarnal evaluation, cannot respond to the test in a veeningful way.

It is unnecessary to point out in this connection that the language used in specialised meaning instruments like the present sule should be flavless. There are many printing grors present throughout Thet itle as given in the outer cover of the test menual ends with the word 'waluations' when the correct title should end with the word 'evaluation' as given in the first inner page of the menual. Again if we examine 29, it is difficult to decide whether it is pastive or negative tokards the social object measured-internal evaluation. The language listed in a number of items e.g. items tentioned 6,15, 16,28, 39 etc. needs to be improved.

Velidity and reliability:

The scale reports empirical data in support of the validity and reliability of the scule. But much of this would not improve a user's confidence h the scale. Of the three relt. ability or efficients reported, only one appears to he satisfactory (the coefficiency of Reproducibility using Ornell's Technique). The two other values are low, and do mot reach the desired level (viz. coefficients close to .8). The solit-helf reliability. even after orrections for shortening comes to only .57. The other reported value is The different level of e61 e efficiency indicated by the three indices make the whole data somewhat suspent. it is difficult to interpret. the crefficients in the sbsence of edequate information about the hature of the samples used for these studics.

The external criteric used for estimating the validity of the scale is one that wuld not mormally be selected by o person who has even winimal understanding of the psychological processes implied in It is very the procedure. strange that the author decided to provide evidence of the validity of his test by tresting marks obtained in internal examinations as external criterian. author probably started by

assuming that there would be a considerable overlap between one's attitude toward internol evaluation his marks in internal examinations, and that this will be indicated in the form of correlation. This procedure is no better than validating the test against external examination marks. A good student could be expected to fare well in both internal and external examinations, and he will even have a good attitude towards all the practices in education, including internal evaluation. This will be indicated by a positive correlation between scores in the attitude scale and all forms of exemination marks. While the procedure adopted is in itself questionable, the obtained correlation of .735 is spuriously large. Even if we compare more closely related cretieria. (like way scores on a verbal test of intelligence with enother verbal test of intelligence), it is very unlikely that it will yield a correlation of this One is left guessing about the unusually large validity coefficient. The details of the semple used for establishing the validity are not reported in the manual. The validity coefficient in this case exceed two of the reliabili-It is to ty coefficients. be presumed that we cannot place much reliance on the validity and reliability data supplied in the manual.

No rens ?

The adequacy of the norms supplied with a test will have to be essessed first in terms of its adequacy for the purpose to be served by the test, and secondly in terms of the representativeness of the sample population on which the norms have been The manual prodeveloped. vides L-score equivalents of The nature or raw SCCTes. even the size of the sample on which the morms have been developed, is not reported. In the absence of this basic information, the table of norms cannot be used with any degree of confidence. Other background information about the scores-shape of score distributions, M, SD, of the to tal sample and sub-samples. based on sex, local, subject of special lation etc. is also The rational of the lacking. classification scheme given towards the end of the test manual (for classifying subjects on the basis of the attitude scores) is not clear. Categories require, renaming. For example, the category 'very much less favourable' needs to be reworded even from the point-of-view of correct usage.

Evaluation:

The test in its present form cannot be recommended for use either as a research tool or for other positive scientific uses. The instrument will have to be drastically revised before it is put to serious use.

Reviewed by s

Dr. A. Sukumaran Nair, Spl. Officer to Govt. of Kerala, State Institute of Education, Trivandrum, K. E. B. A. L. A. (A) 1. Name of Test

- MEASUREMENT OF ATTITUDE TOWARDS INTERNAL EVALUATION (NTL -317)
- (a) Language of test : (b) Language of manual : 2.
 - English English
- ₽ } . Remat of Test, such as : Consumable reusable Test booklet separato answersheats etc.
- Time for administration: It requires 15 minutes 40
 - for its administration
- 5. Number of forms availabla
- : No other forms is evailable
- Date of publication and of revision Ĝ. (if any)
- 1978

7. Price

- s h. 12/-
- 9. Author's name and resition
- Dr. B. A. Parikh. Psy. Department M. T. B. Arts College, Surat - 395001.

9. Publisher

Agra Psychological Research Cell, Tiweri Kothi, Belangani. Ag re.

The scale aims at measuring attitudes towards internal evaluation as.a system of examination. The

scale consists 40 statements in favour or against internal evaluation. The author has

well scanned the literature on examination system in order to draw and frame statements. Thus, the first step to ensure the validity of the construct is well teken cere of. But a persual of the items in the final scale form reveals that framing of the statement has not been satisfact. ory. For example, item No. 26 is a statement which does not fear on internal evaluation as such. statements are double barrelled (e.g. no.29,30) because agreement with the statements does not make clear whether the response is in favour or against internal evaluation. number of statements are ambiguous as they have been qualified with the prefix' 'some' e.g. some teachers do this or that in internal evaluation. Such statements reduce the valuaty of the concept. Mreover, the statements are not short and simple.

The statistical techniques followed for item
analysis appear to be sound.
It is reported that point
biserial correlations were
worked out at two stages of
screening of items. It
would have been better had
the author reported the
coefficients for all the
SC items. The size of the
sample has not been reported.

The arrangement of the statements as positive or negative is satisfactory. The scoring of the response has been clearly indicated,

Validity of the small has been determined in my withen one way. The initial selection of the items from relevant sources encured sufficient content validation of the scale. The statement reports that five experienced teachers also examined the statements. But he in the statements. But he are to explain what was artly the teachers all five when the teachers will be should be a statements.

The point bisarian correlation, co-efficient else supports the wall gray of the items. De temper netw ion of criterion wellthitp has also been attempted in by correlating the build scores with secres religiond on internal evaluation by a group of 50 students However, the educational level of these students har not be reported. \$ 75% criterion validity many cient has been reported to be see feirly high (.73%).

The reliability of the scale has been determined by split-half technique. The corrected index by LB framula is rather low. This index has gone slightly up by using other framula. This

ther forms of reliability been also tried, it could have provided better assessment of reliability of the scale. In the absence of sufficient evidence of reliability, it is hard to accept the author's claim that the scale has demonstrated fairly good reliability and velidity.

The possible applications of the scale have been indicated by the author. It has been developed by using the sample of subjects for which the scale is specifically pertinent, i.e. the student group.

It may be concluded that the author has tried to develop the scale by following the steps systematically and seriously. However, the lacunac pointed out above need to be remedied and additional evidence relating to validity and reliability of the scale should be collected and appended to the manual.

Reviewed by s

Dr. T. S. Chapele, Prof. & Head, Department of Psychology Kasi Vidyapith, Varanasi-221002.

- (in) 1. Name of Test
- ATTITUDE TOWARDS NCC ACTIVITIES (NTL-318)
- 2. (e) Language of & English test

 - (b) Language of marinal
- : English
- Rormat ef Test, such as reusable Test booklat separate answer sheets atc.
- t Chnsumeble
- Time for administr. 3 ation
 - There is no fixed time limit
- 5. Number of forms aveilable
- : No other forms is available
- Date of publicat- : 1998 ion and of revision (if eny)

7. Price

- # B. 12/- per specimen set
- 8. Author's name & position
- s Dr. B.A. Parikh Psy. Department NTB Arts College Suret - 395001.
- 9. Publisher

This scale aims to at providing an effectlve tool for measuring students attitude towards NCC training. Thurstone and Chave equal appearing interval scale mathod has

The S(Scale) and Q (Quartile deviation) values for each statement has been calculated on the basis of the judgement obtained from 50 judges on an elevan

besis of the scale value, twenty two statements indicating equally spaced values were selected for this test. However, some of the statements appear to be ambiguous. For example, statement No.5" "MCC organisation is an organisation to provide employment for retired and low categorised officers and soldiers". This item could have been further aplit in two or three items.

Similarly, statement
No.16 INCC training provides
a good outlet for the energy
of aggressive and dominent
students". Here aggression
and dominance have been
considered as synchymous
though they are independent
traits. Even according to
Murray's classification,
they represent different
needs. Hence, this item also
could have been split into

Item Wo.3, there is some printing mistake as the word 'legs' has been printed as 'Leges'.

In view of the above observations it is felt that the test falls short of the required standard inspite of following psychometrically sound procedure for selecting statements.

The scale is selfschinistering and it takes
sboat ten minutes for its
administration. The score
of an individual is besed
on the arithmetic average

of the median of the Scale values of the statement agreed by him.

The reliability of the scale as determined by (i) test retest (ii) split half and (iii) alternate form methods ranges from .82 to .35.

The validity of this scale is based on the opinion of experienced NCC officers. It is further based on computing the score of student who holded NCC and those who didnot join and these scivities. The obtained Fratio was significant at a soll level. Here, also the size of the sample in each group was only 25. This does not appear to be an edequate size for determinant the validity of a test.

In view of the small sample and more extensive work with some modification in items is needed to make it a useful test.

Reviewed by s.

Dr.K.K. Jamuar,
Reader,
Deptt. of Psychology
Patna University,
Patna - 800005.

(11) 1. Name of Test

* ATTITUDE TOWARDS NCC ACTIVITIES (NTL _ 318)

2. (a) Lenguage of test : English (b) Language of manual : English

Rormat of test, such ; Consumable as reusable test book-3. let separate answer

Time for administration : There is no fixed 4.

time limit

5. Number of forms available

sheets wtc.

: No other form is available

Date of publication 6. if any

1978

7. Price

t B.12/- per specimen set

8. Author's name and position

Dr. B. A. Parikh Psychology Deptt. MTB Obliege, Surat .398001.

9. Publisher

t Agra Psychological Research Cell Tiweri Kothi, Belanganj, ACTE.

Mature and accore

This is a scale of attitude intended to measure the attitude of subjects towards the NCC programmes cenducted in educational institutions in India, The scale is intended for the use with students. Whether the scale is to be used for school/college students or both is not clear from the menual. The author claims that the scale will be of use to authorities who are concerned with the selection or guidance of students who turn upto NCC Training. The suthor has also intended this to serve as a part of any research study where a student's attitude towards NCC Activities figures as one of the variables.

Items of the Scale

The scale has been, conceived as a 22-item attitude scale constructed using Thurstone Muelappearing Interval Technique The items have been select. ed using the conventional procedures followed in attitude scale construction. One would have expected ; greater variety in the items. Items 1 to 10 are negative towards the construct, while items 11 to 22 are statements which are in support of the construct. This is not in consonence with the usual practice of

mixing positive and negative items in attitude scales. It is not clear as to why the author departed from this useful practice.

The items do not appear to cover many of the expected aspects related to the NCC Pro-Statements gramme. concerning NCC treated es a second line of defence of the country, NCC as a training ground for future in one said, the preside military leadership, NCC as a method of developing onfidence in oneself, the possible carry over value of military discipline into all walks of life when students take up different Professions laterin life, its influence in developing positive attitude towards group tasks, its role in building up a disciplined nation, its role in train-ing the mind and the physique, its ability to develop a fuller personality in individuals, etc. are examples of some of the items which should have gone into the scale. Assibly the range can be expanded much mort.

Although many authorities consider that a
high level of reliability
can be reached with an
attitude scale o's bout
20 items. One should be
cautious in following this

principle in a blind fashion. The 22 the The 22 items scale in my view commot do full justice to the construct to be measured. A small scale should be thought of only when it is the end product of which comes from the sophistications of a number of scales each containing items of proven efficiency. With, shorter scales even when we are able to demonstrate a high degree of reliability, we are often doing it at the cost of validitynotably of face and of construct validaties. The test follows the rationale of Thurstone-Equal Appearing Internal Scale.

Item Belection Procedure adopted:

Item selection procedure used in the test also follows the procedure suggested by Thurstone in this regard. The selection has obviously been made using the S_I and Q-values of items as decided by judges. test manual states that 58 judges had done the Informatitem selection. ion relating to the compliance of the judges to do this task, the method of selecting them and other related information is not presented in this menual.

A summary of the Q-values and S-values are given. But this does not provide the necessary

information about the efficiency of individual items included in the scale. The author states in the test manual that an alternate form of the scale was developed. Nothing more is said about thic alternate form except that it was used for testing the suitability of this scale. One would extract that the elternate forms would also be provided or what is still better added to the present scale so that its length can be increased.

Adequacy of the manual

The menual does not find any details about his mode of administration or how the test is to be enswered, if it is treated as self administering. The scring procedure is also not properly explained. The statement in the manual that "the score of an individual be taken as the arithmetic average or the medium of the scale values agreed to by him" is highly inadequate or leaves one guessing as to whether it must be Arithmetic Mean or the Medium score that should be the score of an individual who has reported to this test. The test manual provides the medium scale values corresponding to the items in the scle but it is given on a separate sheet and as such it, is very unlikely that an average user will connect this with the scoring procedure given

given on page 4 of the manual. The statement that "minimum and maximum accress indicate favourable and unfavourable attitude which the middle score indicates mental attitudes towards NCC and activities" is very native and serves no useful purpose. These are no objective guidelines for interpretation of the scores obtained using the Scale.

Validity and Feliability:

The test manual provides evidence of reliability by three different methods. test-retest reliability, Split-holf reliability and alternate form reliability. All the coefficients are satisfactory especially when we consider the relatively small samples on which they have estimated. However, kind in the abtence of any infrom about the parallel from used for estimating the third forms of reliability, it is afficult to say how adequate this coefficient is. However, considering the rather high coefficient (.83) obtained, it is to be concluded that the second forms comes very close to the first form.

Validity of the test has been estimated by showing that the mean some on the attitude scale is significantly different for three groups those enrolled in the NCC, those enrolled in the NSS and those who do not belong to either of these groups.

Analysis of variance has been used to see whether the three

groups significantly differ. The introduction of the NSS groups, in the a: Typis has tended to confuse the issue. If the study was conducted with just two groups-NCC and non-100, the significant R-velues would have shown that the two groups differ from each other. These wruld have been taken as evidence of the validity Tut with the of the test. Nob group introduced into the analysis, we are not in a position to say when ther the significant meen differences indicated is due to which particular groups or pairs. Here a significent difference between the NCC and the NSS groups could be carried as a significant R value, while we will be interested in knowing Whather the NCC groups differ from the non-NCC Group. Hence unless the analysis of variance is followed by t test, it will not be possible to decide which past or pairs are responsible for the significant K-Value. This enelysis, however, can be taken as partial evidence of the validity of the scale.

Maring 1

The test does not provide norms of any kind. There is no evidence to show that the test has k been given actual try-outs; except for the limited

numbers on them the roliability oud religity studies arve meen conducted. deed a teda footer allow aco waich has appoured in the oublished form should be administered on a broad and representative sampla (fay 300-500 subjects) and norms wrked out. Any meeningful interpretation of the test scores presumed the availability of norms in some form say percentile norms. L-scores, stanines or some suitable procedure thick will halo in interpreting raw scores. The absence of porms minimise the utility of the scale vory much.

Fraluntistic?

The scale requires to be restanderdized on a large sample with more items included if possible, and notice have to be worked out before the test can be used for research or silled purposes. The manual also needs to be revised to correct the short-somings before this can be recembed upon

Raviewed by &

Dr. A. Sukumaran Nair, Opemissioner for Educational Davelopment & Research, State Istitute of Education, Trivandrum, K. E. R. A. L. A.

- (a) Language of est t English (b) Language of manual & English
- 3. lormat of Test, such i Consumable as reusable "est booklet separate answersheete etc.
- Time for administrations . There is no time limit 4.
- ! No other form is Number of forms 5. available aveilable
- 6. Date of publication and of revision (if any)
 - 7. Price
- h.12/- per specimen set
 - 8. Author's name and position
 - Publisher 0.

here Perchalegical Research Cell, Tiweri Kothi, Belganganj,

: . Dr. K.D. Kapcor,

P.P.N. Wildge,

Kanpur.

Bricy:

the attitude of employees
toverds their management can
be profitebly utilized for
malateining cordial employer—
employee relationship. This
stritudinal relationship
between management and
employees may be classified
into three groups:

- (a) Pro-management employees
- (b) Neutral employees
- (c) Anti-menegement employees

The authors tried to develop on attitude scale for the objective assessment of the store noted three growns 100 statements (51 unfavour-Phise and 49 favourable) and util-1860 100 judges to obtain senie Values of all the statements appearing intervals method. The judges were asked to sort all the statements into 9 inventity of Tracurationess. or unfavourabless. The manual, however, does not provide any judg enemia. The author finally retained 20 statements to constitute an attitude scale for the purpose mantioned ear-lier. Some of the test items appear to be nor well onetructed and appropriateness of a few items towards the

the of incline of the test in doubtful.

karing and Inter-

The authors suggested Likert's method for son ing the abbitude scale. Thus the opinion could be saired by putting 5; 4,3,2 and I against strongly agree, agree, incertain, disagree and strangly disagree res. ponses respectively, for feveryable statements. Mr an unfavourable statements this principle of sorring was reversed os is usual with this type of attitude scale. There is total seers coulded be arrived for each Jirbject.

the menual of as mov provide any information and distribution of or total seems of '60 unrkers considered for the development of the scale. In runger, post tive and/on negetive indicated anywheres Furthermore, Etatements in the questionnaire do not provide any Thurstenion Scale value which the authors best mentioned in page 6 cf the manual. Under the etremstances proper secring and interpretatton & is difficult unless the researcher is interested to find out his own ways and means of interpreting the final score.

Reliability & Validity:

Detailed procedures
of determining the reliability and validity have
not been mentioned in the
menual. Reliability coefficient (off-even) was
found to be .32. As
regards validity r between
supervisor's rating and
obtained score was .79.

The authors did not mention anything about the number of cases (subjects), number and characteristics: of raters and many other information which are necessary to use the scale in a beneficial way. The raters judgements, are likely to be biased due to the hald effect' which is usual with this type of rating. It is not mentioned what steps were taken to reduce rater's bias.

Utility

In view of these facts, the scale has several limitation. Some of the important limitations are mentioned below:

The nature of sample used for

(e) Standardication has not been properly described.

- (h) Statistical treatment of the data is not adequate.
- (c) Since or mative data has not been provided, it is not possible to classify the subjects into three groups on the basis of sorres obtained from the scale.
- (d) It is not clear as to how end why the suth has combined the Thurstonian scale valuable with that of Likerth weight during the developmental stages of the scale.

Because of se mady limitation effective and practical use of the scale could not be recommended.

11. References: The minual provides 10 references of Indian and Brain researchers.

myleved by

Prof. & Head
Deptt. of Psychology
Calcutte University
Balantte 700008.

- 13) 1.. Hame of Test
- SOUNT ATTITUDE SCALE
 FOR MEASURING ATTITUDE
 (HIGH ECHOOL & HICHER
 SECONDARY STUDENTS)
 (NTL 321)
- 2. (a) Language of test : English, Hindi & Punjahi (b) Language of manual : English
- 3. Permat of Test, such : Consumable as reusable Test broklet separate answersheets etc.
- 4. Time for administration: There is no time limit.
 Each student should be given enough time to finish the test.
- 5. Number of forms : No other form is available available
- 6. Date of publication : 1972 and of revision (if any
- 7. Frice : R.25/- per specimen set
- 8. Author's name & T.S. Sodhi School of Education H.P. University, Simls.
- 9. Publisher 388, Dr. Hira Singh Read, Civil Lines, Luchiana, Punjab.

The author studied attitudinal differences in the students of secular and religious institutions in connection with his doctoral thesis. As an after thought, he decided to publish the attitude scales for wides use to evaluate the attitude of young children.

The scales over five different psychological bjects wiz., teachers and parents; discipline, life and humanity, country and religion. However, no further conceptual specifications of these are provided without which one wenders about the nature of the scales, preciseness in measurements arrived at through their use and even the purpose for which one could utilise them.

A close scrutiny of items under different scales shows the that many of them are vague, ambiguous, repetitive, or irrelevant. Even a cursory look at a few items cited below as specimen will substantiate these technical limitations of the items in the scales.

- 9 Unreasonable orders of parents need not be obeyed.
 - 10 Even when the perents are unreasonable they should be respected
 - 11 We should happily marry at the place selected by our parents.

- II 6 We must respect cur office bearers.
 - 7. Act of indiscipline by the brilliant students should be pardoned.
- III 1 In spire of failured and frustrations vo should be cheerful.
 - 2.It is pratty difficult for me to accept my mistakes.
- IV 2. The land of my country is as sacred to me as my place of workship
 - 3. My nation is a nation of freinds and philosophers.
- V 4. What he does is always the best.
 - 14. One who leads a sinful life goes streight to hell.
 - 20 By dint of good actions one goes straight to heaven.

(Roman numbers indicate scales and the others, the item numbers under different scales).

Item analysis procedures adopted for competing discriminating power is not appropriate. It is not proper to treat responses in an attitude

scole as right or wrong as done in the present

riph norms for bys, gifts
rivel and urban categories
of students have been
provided separately.
However, the sampling
details given are too
mongre to judge the
representativeness of the
sample used and also the
scientification observed in
its, selection.

to how opinion of teahers, parents and intimate fracings were or liceted and rendered on a seven point scale orula have made coefficient of validity more meaningful. The year of publication should have been given, it has certain implications while judging the suitability of steet.

developed do not reflect much scientific rigour as developed mental input for standardising them. Users will do well if they have a careful look at the scales before picking them for use.

Reviewed by

Prof.M.S. Yadov. M.S. University, Lokmonya Tilak Marg, Baroda G. U.J. A. H. A. T.

IN 1. None of Test

SOIMI ATTITUDE SCALL FOR MEASURING ATTITUDE (HIGH ECHOOL HR.SEC. STUDENTE) (NTL-321)

ia) Language of Lest

(b) Language of manual? At The lish

English, Bindi & Put

Remat of Mest, such as Fare ble test boklet separate answer shiets etc. Consumable

4. Time for administration 1

There is no time limit, each student should be given encured time to finish the test.

5. Number of fores

Moother form is

6. Date of publication and of revision (if any)

1972

7. Poles

h.25/- per special

1. Anchor's name & position.

School of Dourstant B.P.University Simia

e. andichie

Mikend Publication 388, Dr. Hire Singh Rus. Civil Lines, Ludhiana, Punjed.

Somale extitude colo. is an instrument to measure attitudes of high/higher secondary students tower's ofplica, life and hunerity. country and religion. The menual which is in inglish cutlines the purpose of this acole. The attitude scale are developed to macross the degree of change that is occuring in the attitude of students in the diffferent areas of social enviorment as a result of different types of measures. According to the manual, the types-of measures". Accordeducationists should develop p esitive attitudes areng the students and to usher the changes introduced through education, there is a need of attitudes scales. The scales, however, do not fulfil high scunding goals due to lack of appointments conceptualization and scientific approach in beasurement of attitudes.

description about the development of this scale. The author started with the five greas of attitudes. However, after the item sualysis, the number of items retained for each area are follows:

Name of the

no.cr 1ting

Attitude towards teachers and parents

12

itilitude towards

ittilide towerder

Attitude towards,

Attitude cowerds Religion

The psychometric criter to the time for selection of its is a "unarily tesed on dia criminating power of the items. A critical eveluate of the five eress of attibute the five eress of attibute the five eress of attibute to the project constant of the project constant in a fails to fine project in a solution of the project in a solution statitude and parents, and attitude the test to the end authority.

tudents may differ significatively in their estatives towards prents and tacker and towards prents and tacker and towards of the ficum of the test every nutrally meanings and our them reare a few of the exemple of the Real reare for my testing the first reare for my testing the first prent for their vices of the first prent for the first prent first prent for the first prent first prent for the first prent for the first prent for the first prent first p

the various possible dimensions of a particular attitudes and therefore, one gots confused at the ways the items are written. The scale disigned to mensure attituées towards life and humanity has items related to frustration, empathy feeling, affection, lake love, seifishness, scorel responsibility, interpressional interaction, influence ote. It is very difficult to make out the conceptualigation behind such kind of - mernurement. In a way, tho title and the real convent of the items are highly misleading.

There is an attempt to fulfil the psychometric requirements of the test in terms of reliability and validity. The scales were administered twice on 289 students after a gap of one month. The correlations between the scores in the first and second test in the different areas of the scales ranged from .74 to .39. Por validity of each scale, three external criteria besed on ratings on separate point scales of teachers, parch's and friends were taken. The scale scores in som area were correlated with the three rating scores separately and thus three validity or-exticients, were computed. The reported validity coefficients ranged from .54 bo .85.

The manual presents separate parcentile rorms for total groups as well rural and orban students.
The outer calls it regional norm as the norm development data are collected from the students of Punjab, Haryana, Bimachel Pradesh and Chardgeri. The percentile norm tables are provided for each area of attitudes.

Any norr for attitude measuring device has several limitations. Attitudes do change due to social changes and due to interventions of events taking place in the large socic-oultural context. Therefore, no restive interpretation of attitude socies does create problem.

The author has not taken into consideration the problem of social desirability. In the literature of social desirability of scale sores will correlate highly and positively with the social desirability responses.

In my judgement due to poor conceptualization of attitudes towards accial environment, this measuring instrument is of poor quality. This should not be used either for research or for any applied purpose. Readings of the scales and the manual may provice, however, some insights to avoid mistakes committed in it to those who would like to develop some attitude measures.

Reviewed by
Prof. & Head
Deptt. of Fsychology
Allehabed University
Allahabed -211002.

- (15) Le Kame of Test
- ATTITUDE SCALE FOR RELIGION NTI-322)
- 2. (a) Language of ist 1 hinds (b) Language of manual : Anglish
- 3. Format of Test, such t Consumable as reusable, test book let separate answer sheets sto.
 - i. Time for administration: There is no time limit. The scale should be amplicted within 32 to 35
 - 5. Number of forms
- No other form is available
- "6. Dete of publication
- 1974

Price

- m.10.65/- per specimen set
- 8. Anthorn manager, position
- K.G.K. College, Nurså abad (U.P)

Dr. E.K. Tandon Barily Collegey Barily.

- 9. Aublisher
- Smt.Keruns Tandon
 2 K.G.K. Chilege Building
 Libert Foredabad (U-F)
- 10. Applicability
- towards religion among high school students.
 The content of the scale is not exhaustive.

The Wattimes Scale (? Religion! is a coals the hos been developed for the purpose of ascertaining whether an individual has ocsitive or negative attitudes towards religion. The namual of the scale deed not provide the essential information regarding the rationale and specifications followed in the collection of items. Few lines regarding the importance of rollgion as a mitivational force and a quotation from the Educational Commission Report (1966) are not sufficient for elaborating the domain and coverage of the uspeots of stritude towards -religion. The specification ... and precise definiction of the compodents of the attitude would have provided a better guideline for the collection -of intial pool of items, from difficient sources. It is perhaps due to the lack clarity reserving the appect of attitude to the inclusion of items which can be responded in only one direction. Even einerson having negative attitude towards religion would egree with item No.1,22and 30. Items included in an attitude scale are meant for providing e bas originally for expressing such sty item which does not . furnish such an opportunity does not serve any useful barbone.

claimed to be developed folloving likert's technique, but
no information regarding
liker-tis is furnished
in the menual of the Proposition

description quoted below to an terminate as activities of the many the man of the many to a control of the many of the activities the activities the activities the activities are activities to an appeare the activities are not the scale (1.00)

The instructions appeading on we beeklet of one sente are sufficient em h el sor. The procedure of avering is also simple, nearing is to be cons in n five point scale in nomination of the second ing of statement and the on ent of agreement. Want is to be noted that sure h of the nightive sistened ere not really negative. Them no .20 is an example of A tooms where disagreement k nor a designite indicator b of anti-religious attitude The English translation of this Hem is as follows,

"The person who is police in his behaviour is not to be considered as attireligion."

Rollability:

split half relievilities are repried. The two reliability coefficient are all and all residuals are all and all residuals are all and all the reliability coefficient are high. However, 11 was be preferable if the procedure of applicant are scale into two prisons the time interval lest ween testing and ietesting were specified.

The state of the s

the volicity of the strategies some of the souls with solf.

reting of pupils and tracter's retings obtained on a fly print scale. The reproductions into the instructions of the instructions of much help-in evaluating the yelicity of the scale.

Morms :

Limits of scores for categoristics individuals or established without the ore provided without the specification of the statical method or the rationals used for the reiting the limits for different categorists.

The could scame to be destricted in a hurry and no such suffers from technical limitations which are to be considered while making use of the scale for the purpose of assessment of attitude towards on religion.

Reviewed by a

Ir.C. Wesen, Dontt. of Psychology Aligarh Muslim University, Aligarh.

- 1. Name of Test
- RELIGION (NTL -322)
- 2. (a) Language of test : Hindi (b) Language of menual : Coglish -

 - 3. Remat of Test, such as: Onsumable reusable Test booklet seporate arswersheets etc.
 - 4. Time for administration: There is no time limit. The scale should be completed within 37 to 35 minutes.
 - -5. Number of forms available
- : No other form is available
- 6. Date of publication and of revision if any
- 1 1974

- 7. Price
- 8.10.65 per specimen set
- 8. Author's name & position
- s Dr. R.K. Tandon K.G.K. College, Muradabed (U.P), & Dr.B.K. Tandon, Pereily College Barelly.

- Smt. Karune Tanden 9. Publisher Smt. Karune Danding Line Par. No radahad _244001.

Attitude Scale for hadigien developed in 1'67 was for M.D degree of the junior author. Later on, it was published in 1974 without any revision as is evident from the sources referred to at the end of the manual. The latest study pertains to 1967. Besides a good number of definitions of attitude have been unnecessarily provided in the namual. Similarly several names of foreign and Indian authors unconnected with the present work have been These only addprovided. ed to the bulk of the manual and serve no useful purpose at all.

The description of the sample lacks clarity and the steps taken to develop the scale are in-adequate We information is given of the profession ard religion of 260 persons of the first stage sample, Similarly it is only stated that second stage sample had 420 brys and girls. What the rough statistical calculations les to dropping of And the basis for 25 items. selection of 1219 girls and 2698 boys in the stangard. isation sample of is missing. What is the proportion of cases selected for the sample to that of the population?

Rr which population and the age group the scale has been developed? If it is meant only for school students, its see the its limited.

Limited. Ty & Documenton Unit (N.C.ERT.)

Solit half and to to reterior saids lifter had been reported, that porter closed between the test. reterior session' Correlations and the new lest of retirer and the new lest of retirers bank that provided. Cot of it retires in cost of the retirer, only 8 values in each cotton are alove. 50. law correlations themselves spend unlimes whout the scale.

Instruction for advinction from in the manual is rest casually written and erst of the material province there in rule be softly ordited.

Die instructions or the test sheet directs the resoundent to confrol . The of the five alto gat yes privided, but in the examples, the responses have been shown under rerentness. Instruction given here is loosely phresed and needs ornsiderahl improvement. Items, for example, 4,13, 30, 34 and 44 are not clear. Telance between positive and negative statements have not been maintained. Out of the 50 items in the scale these are only 10 nepative items.

There are nuterous printing errors in the manual and also in the scale. If the authors want their scale to be in the market they will have to revise it theroughly so that it can complete

with scales in the market which are not only u-todate but comprehensive as well.

Reviewed by :

Prof.U...Jingh,
Head,
Deptt. of Psychology
Bhagalpur University
Bhagalpur
BIHAR

(17) 1. Name of Test

GEIST PICTURE INTEREST INVESTIGRY GENERAL BOR MALE (NIL - 333)

- 2. (a) Lenguage of test : Hindi (b) Language of manual : English
- 3. Pormat of Tost, such : Reusable es reusable Test book.
 Let separate enswer sheets etc.
- 4. Time for administration & High School and college students can finish in 10 to 25 minutes and more time should be allowed to examiness.
- 5. Number of forms available
- Mo other form is available
- 6. Date of publication : 1976 and of revision (if any)
- 7. Price

- set set
- Authoris name &
- Dr. M.S. Chauhan & D.M. Grivastava, Agra College, Agra.

-Puol is er

Agra Paychological Research Cell, Tiwari Ecthi, Relanganj, Agra.

Often careful adaptation of a psychometrically sound test in a different culture may be as good as and even better than developing a new one for the purpose. The one for the purpose. Indian ad ptation of Geist-Picture Interest Inventory (GFII_FA) appears to be just. that the original version of ... this inventory is backed by some very sound rationale particularly with regard to its usability emong children and adults who may lack sufficient verbal fluency. - Besides the original version. of this scale is perhaps rightly considered to be less embiguous and more motivating as the pictures can be more expressive and amusing than its written counterpart. All these advantages become also inherent in an adapted scale which appears to be true in the Indian adaptation of Geist picture Interest Inventory. GPTICIA attempts to measure a significant segment of human interest areas 1.e., peraussive, clerical, mechanical, musical, scientific. cutdocr, literary, computational, artistic, social service and dramatic - A knowledge in the above greas. would undoubtedly aid guid____ ance counsellors and other professionals in their quest to help enyone who may seak

Adaptation of any scale must incorrecate the iceal conditions which was mean dropping adding, and revising

some of the original items. The sut ort seem to have hardled this tob nuite well. After item preportion the author, however, should. hard advinistared the inventry to a resembly in large sample for item analyeas along with a few new items so that the items retained after item analysis in one culture would be equally discriminating and valid when used in a different culture. Mor can one assume that revision would always guarantee the above qualities of the items. The authors would have actually gene for a step shead by toking different criteria for different interests of the scale and item analysed hefore selecting these for the final adapted version.

The administration and scoring of the GPII-IP appear straightforward and sample. Along with the -test booklet, the authors also provide a set of soring key which should make the job of the test administrator mechanical and ersy. The menual also provides T-score norms which certainly make the tasks of interpretation more meaningful. One, ... however, wonders if it would not be more appropriate to establish age norms as interests are more related to one's age than prade. Date blishing norms separately for boys and girls for all the interest area may also serve well the guidance counsellers. The authors may, therefore, try to incorporate the above suggestions in next revision of their inventory.

The GPIJ-IA seems to have its fair share of reliability and velidity testings. Its velidity has been checked against a verbal and a non-verbal interest inventory, the results of which oppear enecuraging. The intercorrelation matrices for different grade groups also throw considerable light on !. the validity of the inventory. In this connection, the authors are advised to go for as many contrastgroup validation as possible In a future revision of the test.

There appears to be. some very unusual findings with regard to the reliability of different interest areas of the inventory. Not only that some of the reliability coefficients are considerably low, at least three of these i.e., clerical in grades IX science and X Science and Mechanical in grade VIII has also timed out to be negative - (finding, if not due to printing errors, wull be devastating to the mare of this otherwise well supted inventory and would spak on the technical expense

of the authors. After all, conceptually and psychometrically and psychometrically and negative reliability is close to Espassibility for a standard psychological test.

Raviewed by :

Dr. M. N. Puhen
Depti. of Paycholog:
A. N. S. Institute of
Social Studies.
Patna - 800001.

- (14) 1. Name of Test
- * VOCATIONAL INTEREST RECORD (NTL _337)
- 2.(a) Language of test : Hindi (b) Language of ramual : English
- 3. Format of lost, such 1 Reusable as reusable Test boxlet separate answer sheats atc.
- 4. Time for administration! There is no time limit
- 5. Number of forms available
- s No other form is available
- 6. Date of publication and of revision (if any)
- 1977

7. Frice

- a &.27.50 per specimen sat
- 8. Author's name & position
- Sat Kamal Dwivdei, Fayanand Girls College Arra.

9. Publishar

s Agra Paychological Research Cell, Tiwari Kothi, Belan genj, Agra .

In the introductory portion of the manual the author has very nicely depicted the different land marks in the development of interest inventories. Sire has pointed out the pioneer works of Fryer, Super, Strong, Kuder, Adkins, Allport-Vermon, Patterson, Clark, Singh and Others.

The items of the present test were selected taking into consideration the test of Shri Rem Surat Lab, Exchalogist. Psychologist, Psychological Centre, Kenpur, p atterned after Kader,

The final form of the test, representing different activities possesses altogether 200 items, distributed equally (20 items in each area) over the following ten areas of interest:

- 1. Literary (L)
- 2. Obmputational (C)
- 3. Scientific (Sc)
- 4. Musical (Mu)
- 5. Artistic (A)
- 6. Cutdoor (0)
- 7. Clerical (cl)
- 8. Mechanical (M)
- 9. Pursuasive (?)
- 10.Social Service (SS)

The ten interest areas were chosen on the basis of several theories and for investigations presented/ reported by notable researches mentioned earlier. Scoring and Interpretation.

Answer sheets are sorred with the help of 10 stencils. Before weing the stencils, corren rank is to be determined and then rank value is given against frequency of each rank.

Norms, in terms of percentile rank (FR), for colloge girls only are available for the purpose of interpretation. The authors should have realized the difficulty of general test users, if morms for different groups with the full description of the normative samples, are not available,

Standardization:

Manual provides little information in respect of item selection procedures and standardization samples. Sample number considered for the development of the test is insufficient. Moreover, since interest pattern of boys and girls are likely to differ the authors should have considered two separate smaples of sufficient numbers for sex groups of college students.

Reliability and Validity

The test_retest reliabilities, efter one year and efter two months as provided in the menual, range from .62 to .91 and from .72 to .92 respectively, split-half reliability is .89. Data considered for determining the test-retest reliability is very poor.

Validity of the instrument is provided against self criterion by administrating the test to girl students only. Sufficient proof about adequate validity is lacking. This lity with cortain and not other groups of subjects is not everlable.

M. S. STAR

The insurant , as mentioned earlier been to ambot different midesia. ing the care of the care of the care lation inci-oi purpar marinting debt and states inthone leaderstain statistical wearing, as to reduced lich meterment of this tipe otes. libraryer, the replation for which has been developed it mot mentioned in the manual. Because of there limite ion, effective til purpise ika could not be recommended.

Referocces: 19 eferences of Indian and Freign authors have bee cited in the manual

Reviewed by \$

Dr. R. N. Kundu, Prof. & Head, Deptt. of Psychology Calcutta University Calcutta-700009.

- (18) 1. Name of Test
- PROORD (NTL _337)
- 2. (a) Language of test : Hindi (b) Language of manual: English
- 3. Remat of Test, such: Remarble as reusable test book. let separate answer sheets etc.
- 4. Time for admini- : There is no time stration limit
- 5. Number of forms & No other form is available evailable
- 6. Date of publicat- 1 1977 ion (if any)
- 7. Price \$ %.27.50 per speciment out
- 8. Author's name & Sot. Kamal Divivedy position Tayanand Girls Ollers Kanpur.
- 9. Publisher s Agra psychological Research Cell, Tiwari Rothi, Belanganj, Agra 4.

The test runs on the lines of Kuder and covers a wide variety of vocational Bach one of the interests. ten interest areas has 20 items for comprehensive The kit has the coverage. test Booklet, answer sheat Scoring stencils, Record Form and the Manual. Manual supplies the relevent information satisfact-According to the orily. Manual, the selection of item is done through determination of discrimination power. Inter-area correlations are also given to check cramen leading. Stencils (n.10) are used to make scoring simple Indices of and easy. reliability and validity Reliability is are high. determined by the 'Split half' method and its sample size is 10 (after a year) and 25 (after two months). Self-criterion is used for determination of validity whose samplu consists of 173 🕟 girls. Nineteen references are given at the end of the Manual.

The test relats to
measurement of interest of
girls, alone, Bigger samples
are meeded to determine norm,
reliability and validity.
Sample of boys of the same
age range are crucially needed.
Similarly norm for intermediate boys could have been
determined to increase its

of application since
of application since
vocational adjustment happen
to be a concern of prime
importance after intermodists education. The
modists education. The
modists education of items, such as administration, instruction and
interest profiles. It name
linguistic correction,
better printing and
maver al organization.

Reviewed by a

Dr. N.S. Chauhan, Prof. & Head, Deptt. of Psychology Mearut University Mearut (UP).

- (20) 1. Name of Test self-cational interest RECORD (NTL 336)
 - 2. (a) Language of test : Hindi
 (b) Language of manuel: English
 - 3. Rermat of Test, such : Consumable as reusable test : booklet separate answersheets etc.
 - 4. Time for admini- : There is no time limit stration for this record ordinarily individual takes about 10 to 15 minutes time to complete.
 - 5. Number of forms * ---
 - 6. Date of Publication : 1975 and of revision (if any)
 - 7. Price i M.ll/- per specimen set
 - 8. Author's name & : V.P.Bansal,
 Govt. Chilege of Education
 Eniwani.
 & : ref. D.N.Srivastava,
 Deptt. of Psychology
 Agra Chilege,
 Agra.
 - 9. Publisher : Agra Psychological.
 Research Cell,
 Tiwari Kothi,
 Belanganj,
 Agra.

- EINICATIONAL INTEREST RECO (NTL - 334)
- (a) Language of test # Hindi (b) Language of manual # English 2. , at 2
 - Rormat of test, such a Consumable as reusable Test book.
 Let separate answer 3. Shaets etc.
 - Time for administrations ď, Tiers is no time limit for this record
 - 5. Number of forms ordinarily individual takes about 10 to 15 available minutes time to complete.
 - Date of publication f 1975 G. and of revision (if any)
 - 7. Price * hell/- per specimen 强度化
 - t Valacunsal, Govt. College of Edu. 8. Author's name & Cov. Haiveni position Prof. D. N. Srivastava, Deptt. of Payenology Agra Ollegs, Ja TH.
 - Agra Psychological 9. Publisher Research Cell, Tiwari Kothi, Bolanganj, Agra.

The Educational Int. erest Record has been developed for school and college students. suitability of the educational subjects and activity for inclusion in this test has been judged by 20 judges and the Educational Interest Record (EIR) consists of 128 educational subjects and activities of different faculties. These are distributed in eight educational fields, viz., science, Engineering, Medical, Agriculture, Humanities and Arts, Home Science, fine arts and Commers. Each of these aubjects have been appropriately paired with the other.

It is a self-administering test with no time
limit but it can be
ordinarily completed in 10
to 15 minutes. The instrutions are very clear and
the scoring is also quite
simple and easy. The
maximum possible score in
any area is 16 and the
minimum is 0.

The test retest reliability ranges from .76 to .80 (r.76 to r.80) and the internal consistency reliability as determined by the split helf mathod range from .74 to .86. Which are fairly high.

The validity of this test has been determined

by correlating its score with the teachers ratings as and those correlations for different subjects range from .58 to .76. Who other criterian for les validation has been used and this tantaments to a limit to its validated by using some other measures also.

Saparate forms for high school, intermediate and under graduates boys and purla have been provided in Stanine Grades. The educational interests of subjects can also be presented on an educat. ional interest profile. The sample on which the norms, for high school boys and girls, intermediate boys and girls is basod is rather small. But the test appears to he meetul but for its limitud voi dityo

Hovinged by a

Dr. Mak. Jamuar, Resder, Dapit. of Psychology Patch University Psina & 800006.

- () 1. Name of Test
- TEACHER EFFECTIVE SCA (NTL - 396)
- (a) Language of test & Hindi
 (b) Language of manual * Boglish 8.
- Brmat of Test, such : Consumable 3, as reusable test brokhet, separate answer sheets etc.
- Time for administrate : No time 4. ion
- Number of forms 5. available
- t One
- Date of Publication 6. and of revision (if any)
- 1 4.1.1979

7. Price

- Author'shame & 8. position
- Dr. Framed Kumar, Psychology Depti. Jodhpur University, Je dhpur. δċ

D. N. Mutha Jedhpur University, Jodhpur.

9. Publisher

- Agra Psychological Research Cell. Belenganj. Agre - 2820004.
- 10. Applicability
- : Secondary teachers

Introduction & Conceputalization:

Test was rection:

The authors have provided a clear and well worded definition of teacher effectiveness, with its main characteratics, such as understanding, proper work habits, deisrable attitudes, value judgement and adequate personal july ment.

The purpose of the test construction is also clearly mentioned that goodness of an educational programme depends upon quality of teachers available to implement it. This test is aimed to identify the effect. Ive teachers among a let of employed in different school and colleges.

Applicability:

The test is reusably for identifying the effective male and femala teachers. But, authors have not mentioned whether the test is reurable for primary/ secondary/college or uni.. versity teachers. It 13 felt that the scale is relevant for secondary teachers as some of the items are related to teach. ing practices with are prevalent in schols only and not at university levels. It woull have been better if the stindard of the teacher to whom sais test is applicable been mentioned in the manual.

The eriginal peel of items consisted of 93 items, collected on the basis or previous studies, expert opinions and teacher The items ware epinions. related teaching effect. Treness, It is really good that most of the teaching behaviour categories were included in Stem pool. Some items worskejusted and final form had 69 items. whols procedure of item enaturis and item selection was vory well planned. Discriminating power for sach luca was properly vaiculated.

Administration and Socialist

A five point scale is provided for rating each item ranging from strongly agree to disagree with reting values. All items are positively ranging from 5 to 1. The sum of item accres constructs the total worded. The scring is assvery single for, unidicational score.

Muuletion and Samples

The scale was standardized on a sample of .4.0 teachers of Jodhpur ci :-The authors have not mentioned the population from which this sample was drawn. It would have been much betterm if the whole sample procedure had been mentioned. That is really a cross section of the population, for which the test is likely to be used by future users?

Distribution of Fesults:

The authors have given the mean, Median and standard deviations with skewness and Kurtosis indices of the data, which prove that the data are normally distributed.

Reliability & Validity:

The split-half and testretest reliabilities are very well calculated. The coefficients of reliabilities are very high and indicate that the items are related to the contents of concept to which the test is constructed.

Construct validity has been calculated on the basis of extremer groups as criterion groups. 't' value has been calculated for each item finding out the discriminating index. This is a god technique and states that if the scores of the extreme groups differ significantly than the test is valid. This technique becomes the only empirical technique, when no external eriterion is available.

The face validity of the test is also very high and every item measures what it purports to measure. Further more, the scale has

been validated with peer ratings and index is very high.

No rms:

The manual of the test has got a table of percentile norms. This is very essential for a good test and a future test user may use the test safely.

It is felt that age no rus could also have heen worked not as beachers of different ages are suppossed to use the test.

References!

Pertinent references are given in the manual.

t rremous

In my opinion the teache offectiveness scale constructed and standardized by Fround Kumar and D.N. Mutha is a good, reliable and valid table. It can very safely be used by future researchers and students for their research or accepted ventures.

There is a scope to work out the age norms of the test, which will make the test more and effect-fively usuable.

Reviewed by

Dr. Virendra **Vinha** Addl. "Mrector of Education. Directorsts of Education U.P. Allabatac.

- (4) 1. Name of Test
- * PARENTAL ATTITUDE
 RESEARCH INSTRUMENTS
 (FATHER
 (NTL 406)
- 2. (a) Language of test
 - (b) Larguage of
- e Hindi
- * English
- 3. Format of Test, such as reusable Test booklet, separate answer sheets etc.
- f Test sheet with enswer printed self administer-' ing or husable as an interview schedule
- 4. Time for administration
- 1 Not indicated
- 5. Number of forms available
- Two for father and mother separate
- 6. Date of publication (if any)
- s Spril, 1976

7. Price

- * Not indicated
- 8. Author's name and position.
- s Dr. Smt. Uma Samene Lecturer, Mehila Moha Vidyalaya Kidwai Negar, Kanpur.
- 9. Publisher
- * Agra Psychological Research Cell Tiweri Kothi, Belangenj, Agra.

This test is a Hindi version of PARI. The manual does not clearly spell out whether the Hindi Version is based on the original version of Schaefer E.S. and Bell R.Q (1958) or the version of Schalderman. S and Schulderman E. (1970).

The Hindi Version consists of two forms. one for the mother and the other for the fether, the former consists of 115 items in 23 scale and the latter with 100 statement following into twenty spaceles. The father form is being revised hore.

The test as stated in the manual is designed as a tool to study attitude to children among father, both literate and illitrate. In the case of Educated adult, the test can be self—saministered and in the case of the letter, with the help of an interview, the test can be used as an individual test or as a group test.

Institutions

The instructions to the respondents are printd on the test sheet itself and in the case of uneducated subjects the instruction, are to be given by the test administrator.

Mariat

The test brokest ensiges of \$00 statements can followed by alternates in dead D indicating different degrees of agreement aringing from complete agreeant

to total disagreement with the state ent. The 100 items fall in 20 subcosis (ranual P.4)

Souring

Georials are siven I bae See to same tal to the responses A & O & The serves on the various firms correspond. ing ir each subscale are added. tous captuing at a total core an each subscale. The serve must each subscals are cate-gerised as wist (W) (above 0 3), Modism (M) (hetween 0 1 and 0 3) and flow! bale will be od on the dis. tribution of the goores on each subscale, obtained on a sample of 300 subjects (fathers). The individual is placed in one of the categories. On all the dimensions, a total score is also obtained. The mental maked reference to The twenty thrus subscales once again classified into either 'U' of 'R'. Two independent scores are obtainable, one on the 'U' and the ether on the 'P' scale by summing up the scores on the verious subscores belonging to - 'U' or 'R' respectively. It should be observed. however, the manual does ert explain anywhere what the 'U' scale is or what the 'R' scale.

Standerdiention:

The PART (father)
form under review according
to the manual was standards
med on a population of 100
adult men. No details of

the sample of stendardization or of the population is given. Basic data regarding means, standard deviation and the distribution of scores have not been presented. Thi imposes a serious limitation not only on the reviewer but also on the critical user.

Reliability:

The manual reports a retest reliability of 0.77 on a sample of 100 subjects. No indication being given regarding the interval between two administrations. Split-half reliability on s sample of 200 is reported to be 0.79, again no indication being given as to whether the Spearman-Brown correlation has been applied. It is a little surprizing that the retest_reliability coefficient and split-half reliability coefficient are so close to each other. It is also not clear whether the samples used for the establishing reliability were independent or were drawn from the 600 subjects used for standard-Nor it is clear ization. whether the reliability was established before or after standardization.

Welidity:

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Uses:

this view.

In the view of the author this instrument is mainly designed for measuring parental attitudes, towards child rearing in a wide variety of areas including personality development, studying personality problems etc. It is not clear whether this claim relates to the riginal PARI or Hindi If the former Version. is the case, the reviewer would not offer any comment at this point, but if the claims relate to the present Hindi form. then the reviewer would entertain serious reser-The fact that vations. well constructed original test in English has been found useful else where does not autonatically mean that a Hindi Version of the same, not so carefully developed either conceptually, or procedurally can be accepted to be equally useful. In summary the present PARI (Father) test in Hindi

Version is at best a good beginning much more information regarding the process of standardization, item development validation, etc., have to be made available before a clear assess. ment of its usefulness be made.

Reviewed by :

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Introduction

Winugh this test is an adaptation of the eriginal Party as utated in the test booklet, it is not montionod, it eli in the manual under introduction to the test; One would have liked this information, particulur's mon it in stated 'that' the present diadi version of PART bat it is not clear ou to whose tort has been acapted for his burpose. One world have also liked to Handi verskin of the original .. scale or an adequation and if it is has lather, what modile Pleations were made from the. original English version of the scale. Though the menual has indicated that the scale is for Pathys & Wither but the test iroklet available, that for the father's form 19, 1120526

Gappy Transfer of the Table Parish

The Hinci version of the Tother's PARI Ansists of 20 coales with 100 statements and Mother's from 123 scales with 115 statements. The item depictments cach of the 1 scales are given in a tabular form with instruction for secriting procedure. The test could be administrated in ground be administrated in ground and for illiterate correction through interview

method. The instructions are given in the The item test booklet. are to be enswered with a five print scale ran-ing from strongly agree to strugly disagree tit the direction of the soring is not indicated. This should . have been mentioned. the procedure followed re adopt this test in verms o. deciding on the suitability of the coals in the Indian contexts meaningfulness of items, cultural hias, reformulacing the items, ass. essing the method of enswering the items etc. ers not Fiven. Therefore one is not sure whether the test is a translated version of an adaptation of the original English vers'on.

Beliability & Validity:

The reliability of
the scale was established through split-half
method for the Pather's
and Mother's form and
reported to be .33. and
.79 respectively. 200
each of Tithers and
Mothers were used as a
sample for this purpose
The test retest reliability for Mothers
form, using a sample of
100 mothers is reported
to be .78. However,
this procedure a-parent

- PA EVIAL ATTITUDE RESEARCH III. THUMENT (NTL-406)
- (a) Language of test
 (b) Language of menual

- : English
- Formet of Test, such as reusable test booklet separate answer sheet etc.
- a Consume H e
- 4. Time for admini-stration
- : There is no time limit
- the commandable with
- 5. Number of forms 1 No other form is available
- ion (If any)

- : Rs-18/- per specimen set
- Author's name & position Kiowai Nagara
- Dr. (Smt) Uma Saxana Mahila Mahavidyalaya

- Agra Psychological Research Cell Tiwari Ke thi Belangenj Agra - 4.

es, not used for the father's form. These. Mesuros seem to be adequate for tests of this type. The test has been validahed against the Anglish Version of PART. Since there is no intermition about the valigity of the English varion of the scale, 1t is rather difficult to engorse this procedure. Thoralationship between Delian and Hinds version hove been ser inten in bo 78 for rether's form and this context it would be desirable if details virus the validat mal procedures followed for the english rersion alongwith the rasulta had been included ir the munual. However, jt is required that the seasoted version also is validated as per accepted

"Trivial"

Though the acele has been haministared to 600 nother's and 600 father's me information is svailable in the manual about the characteristics of the grands and the procedura gorped to draw the sabble. or instance, it would have been usefuls til the geographical spread recluseconomic groupings. simpleyment status, income Transfisto, had been given se that the prospective usor the seals would have been benefted.

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The norms again are not given but the categorisation be bosed on score range into lew, middle and high groups for each of the scales both for fathers and nothers is provided. The categorisation has been made using QT and QR values for the distribution of the score obtained for each of mothers and fathers forms. The interpretation of three categoriantion and the score renger could pave been streed in the confeat of the ressured variable.

arrideability;

Since PARI is an instrument for measuirng the parental attitudes bowards child rearing, it has certainly a larger value in studies on perent-child rolationships. It can be used as a Total coalc with 20 Fathers) or 23 (Nothers) sub-scales or any of the sub-scales could be salected for use depending on the objective of any study in this eres. The usefulness of this test has not been demonstrated in different areas erens as delineated by the author and hence it could te helpful if results of any estudy undarteken by the author en this test could he appened briefly as a support of its applicability. This test Appears to have precioal value and hance providing larg information as millionted might improve l'a qualificatwas sa j research bools

Reviewed by they's Metionel mett, of Gural Development.
Rejentie Nager Rajendra Nagar Hyderaked "500030.